



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST-NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/778,908	02/08/2001	Hideya Takeo	Q61223	5842

7590 03/23/2004
SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC
2100 Pennsylvania Avenue, N.W.
Washington, DC 20037-3202

EXAMINER

DO, ANH HONG

ART UNIT PAPER NUMBER

2624

DATE MAILED: 03/23/2004

5

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/778,908

Applicant(s)

TAKEO, HIDEYA

Examiner

ANH H DO

Art Unit

2624

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 2.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

3. Claims 1-8 are rejected under 35 U.S.C. 102(e) as being anticipated by Castelli et al. (U.S. Patent No. 6,141,445).

Regarding claim 1, Castelli discloses:

- performing a multiresolution transformation process on an image signal to

obtain multiresolution transformed signals (col. 4, lines 34-37);

- performing a coefficient transformation process, which corresponds to a desired image processing, on said multiresolution transformed signals to obtain processed transformed signals which carry a processed image subjected to said desired image processing (col. 4, lines 37-41);

- performing coding process on said processed transformed signals to obtain processed coded data which carries said processed image (Fig. 2: step 210);

- decoding said processed coded data and further performing an inverse multiresolution transformation process, to obtain a processed image signal which carries said processed image (col. 10, lines 40-44).

Regarding claim 2, Castelli discloses:

- performing a multiresolution transformation process on an image signal to obtain multiresolution transformed signals (col. 4, lines 34-37);

- performing coding process on said multiresolution transformed signals to obtain coded data (Fig. 2: step 210);

- decoding said coded data to obtain decoded transformed signals (col. 10, lines 40-44);

- performing a coefficient transformation process, which corresponds to a desired image processing, on said decoded transformed signals to obtain processed transformed signals which carry a processed image subjected to said desired image processing (col. 4, lines 37-41);

- performing an inverse multiresolution transformation process on said processed transformed signals to obtain a processed image signal which carries said processed image (col. 10, lines 40-44).

Regarding claim 3, since this claim is an apparatus claim corresponding to method claim 1, the discussion of claim 1 applies hereto.

Regarding claim 4, since this claim is an apparatus claim corresponding to method claim 2, the discussion of claim 2 applies hereto.

Regarding claim 5, Castelli discloses:

- multiresolution transformation means for performing a multiresolution transformation process on an image signal to obtain multiresolution transformed signals (col. 4, lines 34-37);

- coefficient transformation means for performing a coefficient transformation process, which corresponds to a desired image processing, on said multiresolution transformed signals to obtain processed transformed signals which carry a processed image subjected to said desired image processing (col. 4, lines 37-41);

- coding means for performing coding process on said processed transformed signals to obtain processed coded data which carries said processed image (Fig. 2: step 210).

Regarding claim 6, Castelli discloses:

- decoding means for decoding said coded data to obtain decoded transformed signals (col. 10, lines 40-44);

- coefficient transformation means for performing a coefficient transformation

process, which corresponds to a desired image processing, on said decoded transformed signals to obtain processed transformed signals which carry a processed image subjected to said desired image processing (col. 4, lines 37-41);

- inverse multiresolution transformation means for performing an inverse multiresolution transformation process on said processed transformed signals to obtain a processed image signal which carries said processed image (col. 10, lines 40-44).

Regarding claim 7, Castelli discloses a computer readable storage medium recording a program for performing the steps in claim 1 (col. 3, lines 53-57).

Regarding claim 8, Castelli discloses a computer readable storage medium recording a program for performing the steps in claim 2 (col. 3, lines 53-57).

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ANH H DO whose telephone number is 703-308-6720. The examiner can normally be reached on 5/4-9.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, DAVID K MOORE can be reached on 703-308-7452. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2624

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

March 19, 2004.



ANH HONG DO
PRIMARY EXAMINER